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THE ELECTRON SPIN-LATTICE RELAXATION IN PYROLYZED POLY-2-METHYL-5-ETHINYLPYRIDINE*

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The temperature and field dependences of the rate of electron spin-lattice relaxation (ESLR) have been studied on poly-2-methyl-5-ethinyl pyridine (PMEP), which had been pyrolyzed at various temperatures. The experimental results are interpreted from the aspect of the theoretical calculations predicting the diversity of these dependences in the case of linear and laminar-structure polymers. The results of the evaluations are compared with those of elemental analysis and IR-spectroscopy.

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